

REMARKS

The present amendment is in response to the Office Action received January 14, 2005, in which Claims 1 through 6 were rejected. Applicant has thoroughly reviewed the outstanding Office Action including the Examiner's remarks and the reference cited therein. The following remarks are believed to be fully responsive to the Office Action and, when coupled with the amendments made herein, are believed to render all claims at issue patentably distinguishable over the cited references.

Reconsideration and withdrawal of the rejections set forth in the Office Action dated January 14, 2005 are respectfully requested.

The present invention defined in Claim 1 utilizes the ADSL protocol CardBus interface to facilitate the high-speed transmission. Please refer to the summary and detailed description of the specification. No new matter is introduced. As mentioned in the specification, the prior art uses a PCI bus, which is not available for the CardBus interface. Thus, the object of the present invention is to provide 32-bits ADSL network interface card having a CardBus interface, multi-level filter and lightning protector. As we can see, the disclosure of either Price or Anne merely teaches the conventional network interface card as described in the background of the present application. That is, the citations simply use traditional PCMCIA interface which only supports 16-bits transmission. Accordingly, the PCMCIA interface is unable to be used and not suitable for high-speed transmission, such as ADSL protocol.

The Examiner argues that the CardBus is the industry standard and the application of the CardBus in the network card is obvious to one of ordinary skill in the art. The Applicant has amended the claim 1 to recite that the present invention includes an ADSL protocol interface, and Applicant submits that this distinguishes the claims from Price or Anne. It should be noted that the cited PCMCIA press has already reported the so-called industry standard, namely the CardBus interface, on 16 September 1997. However, the citations provided by the examiner still apply the traditional low-speed interface on their

communication devices. The development of the information technology, especially the network industry, is remarkably fast. Any possible application of a newly published standard is typically implemented in a very short amount of time. Nevertheless, even though the CardBus interface was developed in 1997, the network industry has still failed to apply the CardBus interface in their products.

The present invention therefore surely solves the long-standing problems of the poor communication bandwidth of the conventional network devices. Hence, based on the citations, the invention defined in Claim 1 is non-obvious to one of ordinary skill in the art and should be patentable.

Moreover, the present invention also has unexpected results. The invention defined in Claim 1 could provide extraordinary communication bandwidth by the application of ADSL CardBus interface. As discussed above, none of the prior art suggests the ADSL protocol interface of network interface card for portable computer. The motivation of the citations to achieve the claimed invention cannot be found. Therefore, the surprising result of the present invention would not be expected by these citations. Besides, the size of the network card according to the present invention could be reduced to extremely small and almost completely inserted into the slot of a computer with merely tiny portion outside. This benefit could not only trim the appearance of the computer using the network interface card defined in claim 1, but also prevent the obstruction due to the huge external portion of the traditional network card. Accordingly, based on the present invention is *not* merely a substitution of equivalents but characters unexpected result, claim 1 is certainly non-obvious to one of ordinary skill in the art and should be patentable.

Claims 2-6 depend on Claims 1, so they should be patentable upon the patentability of Claim 1. Especially, none of the citation includes or suggests the lightning protector as claimed on claim 4. The bias protector as claimed in claim 3 is not disclosed by the citation. Similarly, the current protector (claim 2), three-level filter (claim 6) are both not disclosed by them.

Based on the discussion of the rejection of claim 1 and the last paragraph, the claimed inventions do *solve the long-standing problems* as well as possess *unexpected result* over the prior art. Applicant believes that the response traverses the rejection under 103. Reconsideration and withdrawal of these rejections under 103 set forth in the Office Action are respectfully requested.

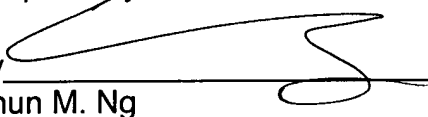
In view of the foregoing, Claims 1-6 pending in the application comply with the requirements of patentability define over the applied art. A Notice of Allowance is, therefo

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 50-0665, under Order No. 386998001US from which the undersigned is authorized to draw.

Dated:

4/13/05

Respectfully submitted,

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